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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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Hermann Lueckhoff

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EXAMINER

SHAW, PELING ANDY

ART UNIT

PAPER NUMBER

2444

NOTIFICATION DATE

DELIVERY MODE

06/23/2010

ELECTRONIC

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

PATDOCTC@fr.com

<b>Office Action Summary</b>	<b>Application No.</b> 10/814,832	<b>Applicant(s)</b> LUECKHOFF, HERMANN	
	<b>Examiner</b> PELING A. SHAW	<b>Art Unit</b> 2444	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 08 March 2010.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-4, 6-18 and 20-24 is/are pending in the application.
- 4a) Of the above claim(s) 23 and 24 is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-4, 6-18, and 20-22 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |   |   |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)                    | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)         | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____   | 6) <input type="checkbox"/> Other: _____                          |

**DETAILED ACTION**

1. Amendment received on 03/08/2010 has been entered into record. Claims 1, 11 and 15 are amended. Claims 1-4, 6-18, and 20-22 are currently pending.
2. Applicant's submission filed on 05/19/2009 and Amendment received 09/08/2009 were entered. Claims 1-2, 6-8, 10-12, 14-16, 20-21 were amended. Claims 5 and 19 were cancelled.
3. Amendment received on 01/05/2009 was entered into record. Specification changes were reviewed and accepted. Claims 1, 11 and 13-15 were amended.
4. Amendment received on 07/16/2008 was entered into record. The Office acknowledges the receipt of Applicant's restriction election. Applicant elects Group a, claims 1-10, 11-14 and 15-22, without traverse. Claims 23-24 were withdrawn.

***Priority***

5. This application has no priority claim made. The filing date is 03/31/2004.

***Claim Rejections - 35 USC § 102***

6. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-3, 6-9, 11-17 and 20-22 are rejected under 35 U.S.C. 102(e) as being anticipated by Arora et al. (US 20040064512 A1), hereinafter referred as Arora.

- a. Regarding claim 1, Arora disclosed a method for use in a computer system for responding to received electronic messages, the method comprising: (a) receiving, at a computer system, an incoming electronic message addressed to a general message account not assigned to any specific user (paragraph 183: rendezvous peer used for discovering information about other peers, peer groups, services and pipes); (b) identifying, by the computer system, stored fact information that is related to and external to the incoming electronic message such that subsequent analysis of the stored fact information provides an indication of how to route the incoming electronic message, wherein identifying comprises (paragraphs 348 and 518: advertisement/resource description elements with data and attribute to store metadata, rendezvous peers cache advertisement; paragraph 696: allow services and applications to add arbitrary metadata information to the message): (i) upon receipt of

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the incoming electronic message in the computer system (paragraph 18: a message to join an instant message group), selecting a first meta information from a plurality of meta information portions based on information retrieved from the incoming electronic message (in light of item 310 in applicant's Fig. 3, paragraph 183: rendezvous peer used for discovering information about other peers, peer groups, services and pipes; paragraph 510: rendezvous peer to filter and distribute requests; paragraph 481: membership screening; paragraph 129: share a common set of interests), wherein each meta information includes a rule and a fact attribute identified by the rule (paragraph 80: registered keywords and subjects of interest, registered metadata; paragraph 129: share a common set of interests and that have agreed upon a common set of rules to publish, share and access any computer content (code, data, applications, or other collections of computer representable resources) ); paragraph 719: rule by which security is enforced), wherein: (A) the fact attribute specifies a pre-selected class of stored fact information that is associated with the incoming electronic message (paragraph 510: rendezvous peer to filter and distribute requests; paragraph 481: membership screening), wherein stored fact information is external to the incoming electronic message (paragraphs 348 and 518: advertisement/resource description elements with data and attribute to store metadata, rendezvous peers cache advertisement; paragraph 696: allow services and applications to add arbitrary metadata information to the message), and (B) the rule is associated with an action performed by the computer system with regard to the incoming electronic message when the rule is met by the pre-selected class of stored

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fact information specified by the fact attribute (paragraphs 166, 694 and 702: codat, sets of actions defined; paragraph 266: action to be checked and permitted to use; paragraph 696: allow services and applications to add arbitrary metadata information to the message); (ii) accessing at least the first meta information of the plurality of meta information portions stored in the computer system, the first meta information including a first rule and a first fact attribute (paragraph 80: join the network, query and index registered keywords and subjects of interest, registered metadata); (iii) determining a first pre-selected class of a plurality of classes of stored fact information from the first fact attribute and a first service of a plurality of services from the first fact attribute, wherein the first service is specified by the first fact attribute and includes executable instructions for retrieving at least a first portion of the first pre-selected class of stored fact information (paragraph 80: query and index registered keywords and subjects of interest, registered metadata); (c) retrieving, by the computer system, at least part of the identified stored fact information in preparation for the subsequent analysis to determine how to route the incoming electronic message, by retrieving at least the first portion of the stored fact information that is a member of the first pre-selected class using the first service (paragraph 86: membership service); and (d) storing, by the computer system, the retrieved stored fact information for subsequent analysis to determine how to route the incoming electronic message by storing the first retrieved portion of the stored fact information in a markup language formatted electronic file that is associated with the incoming electronic message, wherein the markup language formatted electronic

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- file is configured to permit the first rule to be subsequently applied to the first retrieved portion to determine how to route the incoming electronic message (paragraphs 11, 64, 66 and 78: using XPath to locate (route) and process items in XML documents; paragraph 129: share a common set of interests and rules to publish, share and access contents).
- b. Regarding claim 2, Arora disclosed the method of claim 1, wherein the first portion of the stored fact information is retrieved when there is a need to apply the rule (paragraph 719: rule by which security is enforced).
- c. Regarding claim 3, Arora disclosed the method of claim 1, wherein the computer system includes a workflow for processing the incoming electronic message and wherein the method further comprises providing the electronic file with a lifetime bound to the workflow (paragraph 82: item of content may have associated expiration time; paragraphs 258, 351 and 682: services using “time to live”; paragraphs 512, 520, 523 and 596: rendezvous service, query propagation within the limits of loop and TTL).
- d. Regarding claim 6, Arora disclosed the method of claim 1, further comprising performing an initial screening of the incoming electronic message before accessing the meta information, wherein a result of the initial screening is used to select the first rule from a plurality of rules (paragraph 129: share a common set of interests and that have agreed upon a common set of rules to publish, share and access any computer content (code, data, applications, or other collections of computer representable

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- resources); paragraph 481: membership screening; paragraph 510: filtering and distributing requests for the best usage of network resources).
- e. Regarding claim 7, Arora disclosed the method of claim 1, wherein the meta information further includes an identifier specifying where the retrieved first portion of stored fact information is to be stored in the electronic file, and wherein the identifier is used in storing the retrieved first portion (paragraph 16: store a zone of instant messaging distributed index, instant messaging information for a subset of the peers at locations in the zone indicated by hashes of identifiers of the peers in the instant messaging group).
  - f. Regarding claim 8, Arora disclosed the method of claim 7, further comprising using the identifier to access the retrieved first portion of stored fact information in the electronic file to apply the first rule to the retrieved first portion (paragraph 129: share a common set of interests and rules to publish, share and access contents; paragraph 719: rule by which security is enforced).
  - g. Regarding claim 9, Arora disclosed the method of claim 7, wherein the identifier is an XPath query (paragraph 11, XPath for locate and process items in XML; paragraph 64: XPath query for XML).
  - h. Claims 11-14 are of the same scope as claims 1-3 and 6. These are rejected for the same reasons as for claims 1-3 and 6.
  - i. Claims 15-17 and 20-22 are of the same scope as claims 1-3 and 7-9. These are rejected for the same reasons as for claims 1-3 and 7-9.



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Arora disclosed all limitations of claims 1-3, 6-9, 11-17, 20-22. Claims 1-3, 6-9, 11-17, 20-22 are rejected under 35 U.S.C. 102(e).

***Claim Rejections - 35 USC § 103***

7. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 4, 10 and 18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Arora as applied to claim 1 above, and further in view of Chandra et al. (US 7130885 B2), hereinafter referred as Chandra.

- a. Regarding claim 4, Arora disclosed the invention substantially as claimed. Arora does not explicitly disclose wherein the electronic file is an XML document and the retrieved portion is stored in the XML document using an XSL transaction. However, Arora does show (paragraph 662) using XML to send message of different types.
- b. Chandra shows (Fig. 18E and column 71, line 38-column 72, lines 8) that XSL style sheet is used to generate XML schema from XML transported via HTTP, IIOP or SMTP in an analogous art for the purpose of providing electronic messages that are linked and aggregated.
- c. It would have been obvious to a person of ordinary skill in the art at the time of the invention was made to modify Arora's functions of instant messaging using distributed indexes with Chandra's functions of using XSL to generate XML.
- d. The modification would have been obvious because one of ordinary skill in the art would have been motivated to further detail how XML would be implemented in the

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electronic messaging system as per Chandra in the general art of using XML in messaging as per Arora (paragraph 347) and Chandra (column 67, lines 36-53)'s teaching.

- e. Regarding claim 10, Chandra shows wherein the retrieved first portion of the stored fact information pertains to at least one category selected from the group consisting of: a business context of the incoming electronic message, analytical data relating to the incoming electronic message, availability of a person for attending to the incoming electronic message, a skill of a person for attending to the incoming electronic message, communication information relating to the incoming electronic message, an industry with which the incoming electronic message is associated, and combinations thereof (Fig. 13A and 13D; column 54, line 44-column 55, line 4: invitation to meet; column 55, lines 57-67: schedule for availability). Arora shows (paragraph 485) embodiments of a peer-to-peer platform discovery service may leverage surrounding peers and peer groups, provide meetings points for far away peers and groups, use an asynchronous protocol and provide reverse discovery; and (paragraph 508) a rendezvous peer may be described as a meeting point where peers and/or peer groups may register to be discovered, and may also discover other peers and/or peer groups, and retrieve information on discovered peers and/or peer groups.
- f. Claim 18 is of the same scope as claim 4. It is rejected for the same reasons as for claim 4.

Together Arora and Chandra disclosed all limitations of claims 4, 10 and 18. Claims 4, 10 and 18 are rejected under 35 U.S.C. 103(a).

***Response to Arguments***

8. Applicant's arguments filed on 03/08/2010 have been fully considered, but they are not persuasive.
- a. Applicant has argued that Arora and Chandra do not disclose or suggest the amended limitation of "receiving, at a computer system, an incoming electronic message addressed to a general message account not assigned to any specific user" and "identifying, by the computer system, stored fact information that is related to and external to the incoming electronic message such that subsequent analysis of the stored fact information provides an indication of how to route the incoming electronic message" (see 5<sup>th</sup> paragraph on page 10 and 1<sup>st</sup> paragraph on page 12 of current Amendment). Applicant has argued that Arora is distributing an incoming message based upon the message's content, not on "stored fact information that is related to and external to the incoming electronic message such that subsequent analysis of the stored fact information provides an indication of how to route the incoming message". Applicant's claim 1 recites "(i) upon receipt of the incoming message in the computer system, selecting a first meta information from a plurality of meta information portions based on information retrieved from the incoming electronic message" and "(ii) accessing at least the first meta information of the plurality of meta information portions stored in the computer system, the first meta information including a first rule and a first fact attribute". Thus applicant's claimed invention does started with the information retrieved from the incoming electronic message for fact information retrieval, i.e. similar to Arora's discovering based upon peer

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information via rendezvous points (paragraphs 497-500) and joining a peer (paragraph 18). Arora's rendezvous points are used to discover information about other peers, peer groups, services and pipes (paragraph 183); to filter and distribute requests (paragraph 510); the peer discovery is used to discover service advertisements (paragraph 481); and a peer group is a collection of peers connected by a network that share a common set of interests and that have agreed upon a common set of rules to publish, share and access any computer content. That is similar to applicant's general message account for receiving an incoming electronic message to route the message based upon the fact information that is accessed based upon the meta information selected based upon the information retrieved from the incoming message.

***Conclusion***

9. THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

10. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Refer to the enclosed PTO-892 for details.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Peling A. Shaw whose telephone number is (571) 272-7968. The examiner can normally be reached on M-F 8:00 - 4:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William C. Vaughn can be reached on (571) 272-3922. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

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applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Peling A Shaw/  
Examiner, Art Unit 2444